		•	She	e of 45	heets	Docket Number (Optional) PL-9937		Application Number	18,024	
0	INF		TION DISCLOSURE Use several sheets if necessar	CITATION	. 7	Applicant(s) K. Yoshizako, et al.		#1	1/2/	15
JUN	192	٠.				Filing Date March 12, 200	2	Group Art Unit	72100	10
THE .		Or Gr			U.S. PAT	ENT DOCUMENTS			117	Vite
*EXAMINER INITIAL	REF		DOCUMENT NUMBER	DATE	.,	NAME	CLASS	SyBCLASS.	FILING IF APPRO	-
								4	250	
							·	10	W SI	Va
								\cappa_C		30
						-			700	J
		1								
		1								
_										
_										
		<u> </u>			· · · · · · · · · · · · · · · · · · ·					
	<u> </u>							·		
		<u> </u>			FOREIG	N PATENT DOCUMENTS	<u> • </u>			
	REF	T	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Trans YES	lation NO
E6t	B1	10-1	140722	22-May-98	Japan		210	198,2		X
E67	B2	wo	99/61904	2-Dec-99	WIPO		210	182	X	
E61	В3	wo	087/06152	22-Oct-87	WIPO		210	198.2		X
20.	B4	0-53	34 016	31-Mar-93	EPO-					
E61	B5	6-10	08643	8-Dec-95	Japan		2/0	198.2		X
	J			1	OTHER	DOCUMENTS (Including		Date, Pertinent Pa	ges, Etc.)	· · · · · · · · · · · · · · · · · · ·
		-	Galaev, I., et al. "Temp displacer" Journal of Chromatogr		_	ent of proteins from dye-af V	finity colum	ins using an imm	obilized po	lymeric
E	5T	C1	684 (1994) pages 37-43							
E6	37	C2	Gewehr, M., et al. "Gel polymers" Macromolecular Chemi pages 249-256	-		hy using porous glass bead)	s modified v	with temperature	-responsiv	e
EXAMINE	R	,	THERKO	RN		DATE CONSIDERED	Ju/>	9,200	3	
EXAMINE not conside	ER: Ini	tial if ci		or not citation is in	conformar	nce with MPEP Section 609; 1				ance and
			••							

Sheet 3 4Sheets INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

not considered. Include copy of this form with next communication to applicant.

Dealest No. 1 (O. d. 1)	
Docket Number (Optional)	Application Number
PL-9937	10/018,024
Applicant(s)	
K. Yoshizako, et al.	

		(Use several sheets if necessary)	K. Toshizako, et al.					
			Filing Date March 12, 2002	Group Art Unit				
*EXAMINER		OTHER DOCUMENTS (Including Author, Ti	tle, Date, Pertinent Pages, Etc.)					
EGT	СЗ	(Use several sheets if necessary) R. Foshizako, et al. Filing Date March 12, 2002 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Hosoya, K., et al. "Temperature-Controlled High-Performance Liquid Chromatography Using a Uniformly State Temperature-Responsive Polymer-Based Pacling Material" Analytical Chemistry, volume 67, number 11, June 1, 1995 pages 1907-1911 Yamamoto, et al. "Proc. 114th National Meeting of the Pharmaceutical Society of Japan" Tokyo, 1994, 160						
E6+	C4	Yamamoto, et al. "Proc. 114th National Meeting o Tokyo, 1994, 160	f the Pharmaceutical Society of Japa	" C 1>00				
E6T	C5	Kanazawa, H., et al. "Temperature-Responsive Ch Yakugaku Zasshi, 117 (10-11) 1997 pages 817-824	romatography"					
E8T	C6	Kanazawa, H., et al. "Temperature-Responsive Ch Analytical Chemistry, 68(1) (1996) pages 100-105	romatography Using Poly(N-isoprop	oylacrylamide)-Modified Silica"				
臣6丁	C7	Kanazawa, H., et al. "Temperature-Responsive Liquid Chromatography. 2. Effects of Hydrophobic Groups in N-Isopropylacrylamide Copolymer-Modified Solica" Analytical Chemistry, 69(5) (1997) pages 823-830						
EGT	C8	Kanazawa, H., et al. "Analysis of peptides and proteins by temperature-responsive chromatographic system using N-isopropylacrylamide polymer-modified columns" Journal of Pharmaceutical and Biomedical Analysis, 15(1997) pages 1545-1550						
EBT	С9	Yakushiji, T., et al. "Graft Architectural Effects on Thermoresponsive Wettability Changes of Poly(N-isopropylacrylamide)-Modified Surfaces" Langmuir, 14(16) (1998) pages 4657-4662						
E6t	C10	Kanazawa, H., et al. "Temperature-responsive chr Trends in Analytical Chemistry, volume 17, number pages 435-440	omatography" er 7, 1998	-				
EOT	CII	Yakushiji, T., et al. "Effects of Cross-Linked Struc Poly(N-isopropylacrylamide) Hydrogel-Modified S Analytical Chemistry, 71(6) (1999) pages 1125-1130	ture on Temperature-responsive Hyd Surfaces with Steriods"	drophobic Interaction of				
a								
EXAMINER	.1		DATE CONSIDERED					
		THECKORN	July 9,20	7 0 4				

P09B/REV04

3.0	INFC	DMATION DISCLOSUD	E C TION	,	Docket Number (Optional PL-99 Applicant(s)		Application Number	10/0/8 024
INFORMATION DISCLOSURE (Use several sheets if necessar			,			K. Yoshizako, et al.		J
		Sheet 3	of 4Ske	ets	Filing Date October 2		Group Art Unit 🥇 To be	723 assigned
	<u> </u>			· · · · · · · ·	ENT DOCUMENTS	-,		gaztu /
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE
								IF APPROPRIATE
	_							
				-				
<u></u>								
						·		
								······································
					·			· · · · · · · · · · · · · · · · · · ·
······································								
				_	_			
		,						· · · · · · · · · · · · · · · · · · ·
			<u> </u>					
			<u></u>	FOREIGN	N PATENT DOCUMEN	NTS	1	
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Translation YES NO
EQT	B1	WO 94/15951 A	21-Jul-94	WIPO		2/0	1982	X'
EGT	.B2	EP 0 534 016 A	31-Mar-93	ЕРО		210	1982	\nearrow
						0,75	770	
								
			·					
		Patent Abstracts of Jap	on vol 1007 no			ding Author, Title, I	_	es, Etc.)
		C1	an, voi. 1997, no.	vo, sv sun	e 1997 and JP 09 049	830 A 18 Februar	y 1997	
Z6 3							•	
		Patent Abstracts of Jap	an, vol. 1996, no.	08, 30 Aug	ust 1996 and JP 08 1	03653 A 23 April	1996	
E6	r °	C2						
EXAMINE			***************************************		DATE CONSIDERED	· · · · · · · · · · · · · · · · · · ·	······································	
Come mived i velo	,	THERKOR	Ŋ		DATE CONSIDERED	1x 9,200	23	
EXAMINE	R: Initia	al if citation considered, whether clude copy of this form with next	or not citation is in	conformanc	e with MPEP Section 6	609; Draw line throu	igh citation if not i	n conformance and
orm PTO					REV04	Patent and Trade-	ark Office tue nene	RTMENT OF COMMERCE

INFORMATION DISCLOSURE C

(Use several sheets if necessary)

not considered. Include copy of this form with next communication to applicant.

TION

Docket Number (Optional) PL-9937	Application Planteer 10/018,00
Applicant(s) K. Yoshizako, et al.	Control E
Filing Date	Group Art Unit 1723

			•	October 29, 2001	To be assigned			
*EXAMINER		OTHER DOCUMENTS	(Including Author, Title	, Date, Pertinent Pages, Etc.)				
EGT	C3	Database WPI, Section Ch, V Derwent Publications Ltd., I Class A97, AN 1995-227588 XP002145661 and JP 07 136	Veek 199530 Jondon, GB; 505 A 30 May 1995					
E 67	C4	Database WPI, Section Ch, V Derwent Publications Ltd., I Class A96, AN 1995-227387 XP002145662 and JP 07 135	957 A 30 May 1995		ACC 11 Colours Hoise on Immobilized			
E6t	C5	Galaev, I. Y., et al. "Temperature-Induced Displacement of Proteins from Dye-Affinity Columns Using an Immobilized Polymeric Displacer" Journal of Chromatography A, NL, Elsevier Science, volume 684, number 1, 28 October 1994, pages 37-43 XP004174364 ISSN: 0021-9673						
				· · · · · · · · · · · · · · · · · · ·				
					•			
<u>, , , , , , , , , , , , , , , , , , , </u>					-			
٧			. *	•	7			
		·						
CV A BAINIED				DATE CONSIDERED				
EXAMINER	7	HERVANI			-4 9,2003			
	- 17	HERKORY		nance with MPEP Section 609:	Draw line through citation if not in conformance			

P09B/REV04